

2011 Equipercentile Linking



FCAT 2.0 READING AND MATHEMATICS

Transitioning from FCAT to FCAT 2.0



- For this spring only, FCAT 2.0 scores will be reported on the existing FCAT scale.
- To report on the FCAT scale, the link between the FCAT and the FCAT 2.0 assessments must be determined.
- Multiple linking procedures, such as IRT-based linking and equipercentile linking, were considered.

Measurement and Legal Review Findings



- Both the IRT and equipercentile methods meet measurement criteria; however, when all factors are considered, there is greater legal and policy defensibility with the equipercentile method.

Equipercentile Method: Advantages



- Provides a consistent solution for all FCAT 2.0 tests administered in 2011.
- Realistically assumes no growth on a harder test of somewhat different content, especially in the early stages of implementing the new Next Generation Sunshine State Standards.

Equipercentile Method: Advantages



- Avoids the need to make possibly difficult-to-support assumptions about the comparability of FCAT and FCAT 2.0 items.
- Is consistent with Florida's intent to focus its resources on the new FCAT 2.0 scale as soon as Achievement Levels have been set and a new vertical scale has been determined.

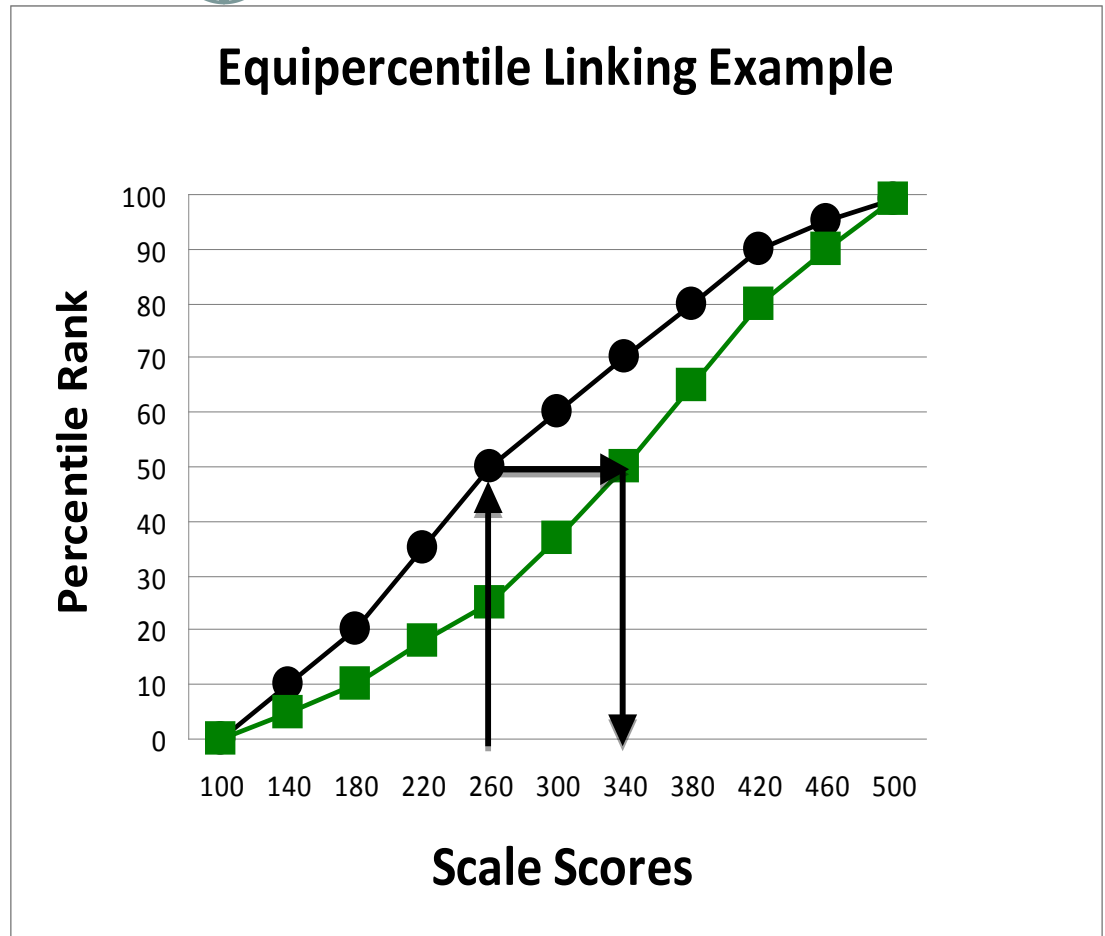
Equipercntile Linking Method



- Common examples: SAT/ACT and SAT/ACT/FCAT concordance tables
- This method links the percentiles of two different tests (this case, 2010 FCAT and 2011 FCAT 2.0) to determine equivalent scores.

Equipercentile Linking Example

- The black and green lines represent scores on two different assessments
- The lines show how the raw score relates to the percentile rank
- A “black” score of 260 and a “green” score of 340 are both at the 50th percentile rank and are “equivalent”



2011 FCAT 2.0 Scores



- 2011 FCAT 2.0 results will be reported as “FCAT Equivalent Scores”
 - Scores on FCAT 2.0 and FCAT that have the same percentile rank identified through equipercentile linking.
- Existing FCAT achievement-level cut scores will be used in 2011.
- Statewide, the percent of students in each Achievement Level will be the same as in 2010.
- At the district and school levels, the percent of students in each Achievement Level may vary.